

## Dear Customers

May we take this opportunity to thank you for purchasing this DVD/VIDEO CD/CD player.

We strongly recommend that you carefully study the operating instructions before attempting to operate the unit and that you note the listed precautions.

## Safety information

### ● Note:

This unit can be used only where the power supply is AC 220-240V, 50Hz. It cannot be used elsewhere.

### ● CAUTION:

- DVD PLAYER IS A CLASS 1 LASER PRODUCT.

HOWEVER THIS PLAYER USES A VISIBLE LASER BEAM WHICH COULD CAUSE HAZARDOUS RADIATION EXPOSURE IF DIRECTED. BE SURE TO OPERATE THE PLAYER CORRECTLY AS INSTRUCTED.

- WHEN THIS PLAYER IS PLUGGED TO THE WALL OUTLET, DO NOT PLACE YOUR EYES CLOSE TO THE OPENINGS TO LOOK INTO THE INSIDE OF THIS PLAYER.

- USE OF CONTROLS OR ADJUSTMENTS OTHER THAN THOSE SPECIFIED HEREIN MAY RESULT ON HAZARDOUS RADIATION EXPOSURE.

○ DO NOT OPEN COVERS OR ATTEMPT TO REPAIR THIS PRODUCT BY YOURSELF. ALWAYS REFER SERVICING TO QUALIFIED PERSONNEL.

### ● WARNING:

- TO REDUCE THE RISK OF FIRE OR ELECTRIC SHOCK, DO NOT EXPOSE THIS EQUIPMENT TO RAIN OR MOISTURE.

- TO REDUCE THE RISK OF FIRE, ELECTRIC SHOCK OR PICTURE & SOUND INTERFERENCE, USE THE RECOMMENDED ACCESSORIES ONLY.

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## Precautions

Please read these precautions before operating this unit.

### ● Power cord protection

To avoid a malfunction of this product and to protect against electric shock, fire or personal injury, please observe the following.

- Hold the plug firmly when connecting or disconnecting the AC power supply to this unit.
- Do not connect or disconnect the AC power supply when your hands are wet.
- Keep the AC power cord away from heating appliances.
- Never put heavy objects on the power cord.
- Do not attempt to repair or reconstruct the power cord in any way.

### ● Placement

Avoid placing the unit in areas of:

- Direct sunlight.
- High temperature (over 35℃) or high humidity (over 90%)
- High levels of dust

The internal parts may be damaged as a result.

### ● Non-use Periods

- When not in use, switch off the unit.
- When left unused for a long period of time, the unit should be unplugged from the household AC supply.

### ● Foreign Objects

- Touching internal parts of this unit is dangerous and may damage the player. Never attempt to disassemble the unit.
- Do not put any foreign objects on the disc tray.

### ● Keep away from water / magnetic fields

- Keep the unit away from flower vases, tubs, sinks, etc. If liquids are spilled into the unit, serious damage will occur.
- Do not place magnetic objects (such as speakers) close to this unit.

### ● Stacking

- Place the unit in a horizontal position. Do not place anything heavy on top of it.
- Do not place the unit on amplifiers or other appliances which may generate heat.

### ● Condensation

Moisture may form on the lens in the following conditions: -

- Immediately after a heater has been turned on.
- In a steamy or very humid room.
- When the unit is moved from a cold environment to a warm one.

If moisture forms inside this unit, it may not operate properly. In this case, turn on the power and wait about one hour for the moisture to evaporate.

### ● If there is noise interference on your TV channels

Depending on the reception conditions of the broadcast, interference may appear on the TV while you are watching a channel with the DVD player on. This is not a malfunction of the unit or the TV. Should this occur, simply switch off the DVD player.

## IMPORTANT:

**AS SOON AS THE EQUIPMENT HAS BEEN CONNECTED, PLEASE REFER TO THE INITIAL SETTINGS CHAPTER AT PAGE 17.**

## Features

- **DVD: a completely new dimension in video entertainment**

- Subtitles may be displayed in one of a maximum of 32 languages.
- The audio soundtrack can be heard in up to 8 languages.
- The multi-angle function allows you to choose the viewing angle of which scenes were shot from many different angles (limited to DVD discs recorded with multiple camera angles).

The number of the languages recorded is dependent on the software.

- **High quality digital audio**

- The Dolby Digital / MPEG2 audio/Linear PCM decoder is built into the player which makes it possible to enjoy Multi-Channel Surround sound.
- With linear PCM sound of a 48 kHz/16 bit through 96 kHz/24 bit, audio quality exceeding that of Audio CD becomes possible.
- The unit has a built-in MP3 audio file decoder

- **Many convenient features**

- Direct access of favorite scenes (title/chapter/time/track search).
- Programming of up to 3 scenes in memory (marker) 【DVD only】
- Parental lock setting to prevent play of discs unsuitable for some audiences. 【DVD only】

- **Compatible with PAL DVD / VCD and NTSC DVD / VCD**

- This player can play discs recorded in either PAL or NTSC format. However, the player must be connected to a Multi-system TV to play both PAL DVD / VCD and NTSC DVD / VCD.

The use of a Multi-system TV is recommended.

- **Compatible with Video CDs (VCD) and audio CDs as well as DVD.**

Disc formats supported by this player: -

### MP3

CD recorded in MP3 file



DVD

(8cm disc/12cm disc)



VCD

(8cm Disc/12cm Disc)



CD

(8cm Disc/12cm Disc)

## Selecting the type of disc compatible with your TV

Both DVD discs and Video CDs (VCDs) have material recorded in either PAL or NTSC format. Refer to the table below to select the disc type compatible with your TV.

The type of Connected TV	Disc	TV Monitor
Multi-system	PAL	Played in the PAL system.
	NTSC	Played in the NTSC system.
NTSC	PAL	No clear images are showed on the screen.
	NTSC	Played in the NTSC system.
PAL	PAL	Played in PAL system.
	NTSC	No clear images are showed on the screen.

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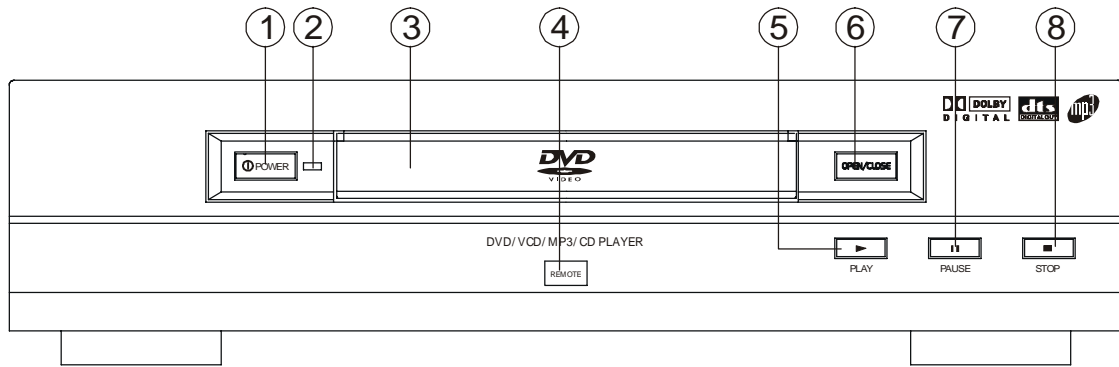
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## Control reference guide

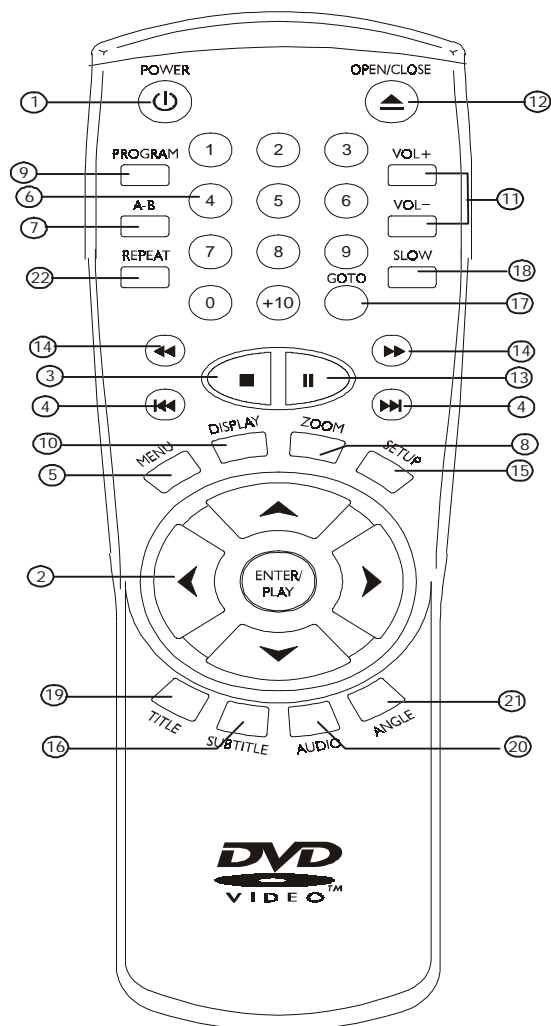


### Main unit

- |                                  |                       |
|----------------------------------|-----------------------|
| (1) POWER SWITCH                 | (5) PLAY button       |
| (2) POWER SWITCH INDICATOR       | (6) OPEN/CLOSE button |
| (3) DISC TRAY                    | (7) PAUSE/STEP button |
| (4) REMOTE CONTROL SIGNAL SENSOR | (8) STOP button       |

### Remote control unit

- (1) POWER button ( )
- (2) CURSOR (joystick) / ENTER buttons
- (3) STOP button (■)
- (4) SKIP buttons (◀▶)
- (5) MENU button
- (6) NUMERIC buttons
- (7) A-B REPEAT button
- (8) ZOOM button
- (9) PROGRAM button
- (10) DISPLAY button
- (11) VOLUME buttons (— +)
- (12) OPEN/CLOSE button
- (13) PAUSE/STEP ▶|| button
- (14) FAST RWD / FWD (◀▶) buttons
- (15) SETUP button
- (16) SUBTITLE button
- (17) GOTO button
- (18) SLOW button
- (19) TITLE button
- (20) AUDIO button
- (21) ANGLE button
- (22) REPEAT button



## Connection to TV and Audio players

- **IMPORTANT!** Ensure that ALL equipment to be connected is SWITCHED OFF before proceeding.
- We also recommend that you consult with the connecting instructions of any equipment to be connected before you proceed.

### Connecting to Stereo TV (configuration 【A】)

1. TV set
2. DVD player
3. L/R (Front) Audio Output (White / Red – RCA connectors)
4. S-video Output (*Video option 1*)
5. To Audio In on Stereo Amp (White / Red – RCA connectors)
6. To 21 pin SCART input on TV (*Video option 2*)
7. To S-video input connector on TV (*Video option 1*)
8. AC power cord
9. AC Plug (220-240V AC, 50Hz)
10. 21 pin SCART connector on DVD (*Video option 2*)
11. To RCA Video In on TV (*Video option 3*)
12. RCA Type AV cord to Video Out on DVD (*Video option 3*)

**Note:** There are three ways to connect the video out of this player to the TV set. Option 1: S-Video. Option 2: SCART to SCART. Option 3: RCA Video Out. Use only one of the above options to avoid picture interference.

### Connecting to monaural TV set 【B】

1. TV set
2. DVD player
3. 21 pin SCART to SCART cable (not supplied)
4. To SCART connector on TV
5. To SCART connector on DVD player

### S-video output connector

The S(separate) video output connector separates the color (C) and luminance (Y) signals before transmitting them to the TV set in order to achieve a sharper picture.

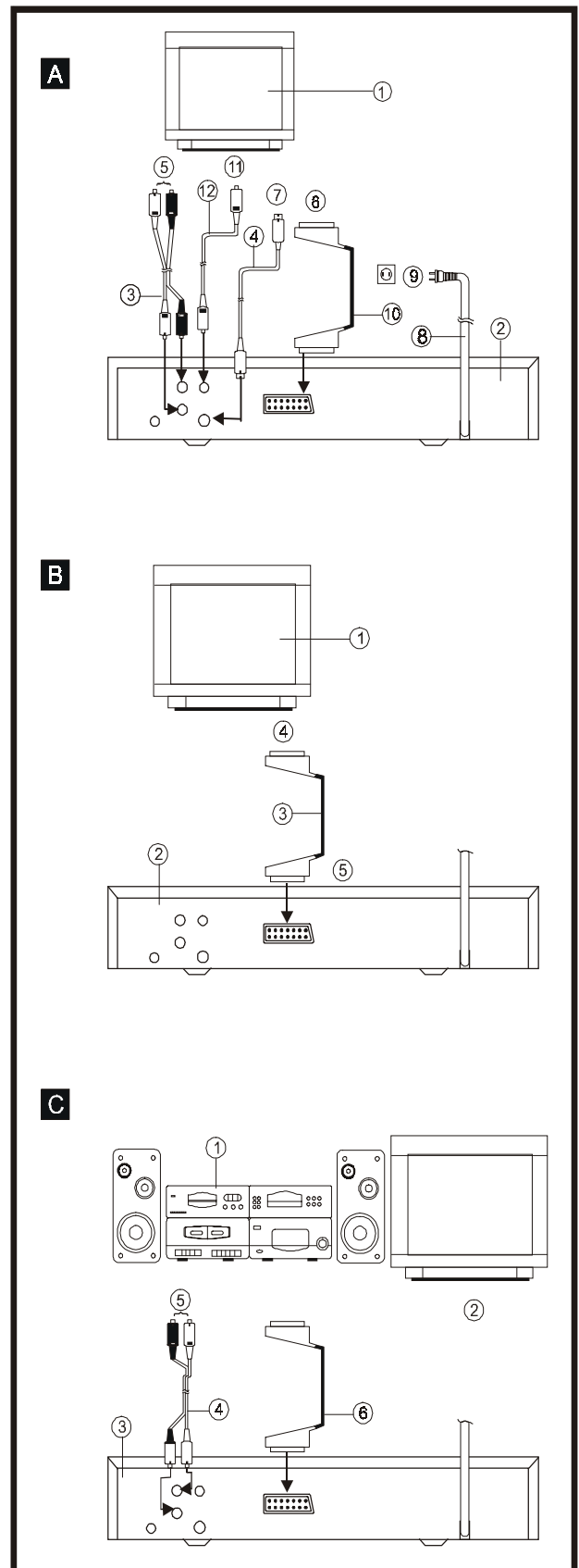
Use the S-video cord when connecting the player to a TV set equipped with an S-video input connector for optimum picture clarity.

### Connecting to audio equipment 【C】

1. Audio equipment (i.e. Hi-Fi system)
2. TV set
3. DVD player
4. L/R (Front) Audio Output (White / Red – RCA connectors)
5. To Audio In on Stereo Amp (White / Red – RCA connectors)
6. 21 pin SCART to SCART connector (See above 【A】)

**Note:**

- When playing a DVD, the TV volume may be a different level to that of TV broadcasts, etc. If this is the case, simply adjust the volume on the remote control (11) to the desired matching level.
- If this player is connected to the TV through a video cassette recorder, the picture may not be play back normally with some DVDs. If this is the case, do not connect the player via the VCR.



## Digital audio connections

### Connecting to a decoder with Dolby Digital processing or MPEG processing

When DVDs recorded in Dolby Digital or MPEG audio are played, Dolby Digital bitstream or MPEG audio bitstream is sent to the player's COAXIAL digital audio output connector. When the player is connected to a Dolby Digital or MPEG audio decoder via one of these output sockets, you can enjoy theater-quality audio in your home. A coaxial audio cable is required when a Dolby Digital decoder or MPEG audio decoder is used.

#### Audio output from the coaxial digital audio output connectors: -

Disc	Sound recording format	coaxial digital audio output from connector
DVD	Dolby Digital	Dolby Digital bitstream (2-5.1ch) or PCM (2ch)(48kHz/16bit)
	Linear PCM (48/96 kHz 16/20/24 bit )	Linear PCM(2ch) (48kHz sampling/16 bit only)* <sup>2</sup> or no output* <sup>1</sup>
	MPEG1 MPEG2	MPEG2 audio bitstream or PCM(2ch)(16 bit)* <sup>1</sup>
VCD	MPEG1	PCM (44.1 kHz sampling)
CD	Linear PMC	Linear PCM (44.1 kHz sampling)

\*1 The type of audio output from the connector can be selected by the initial settings.

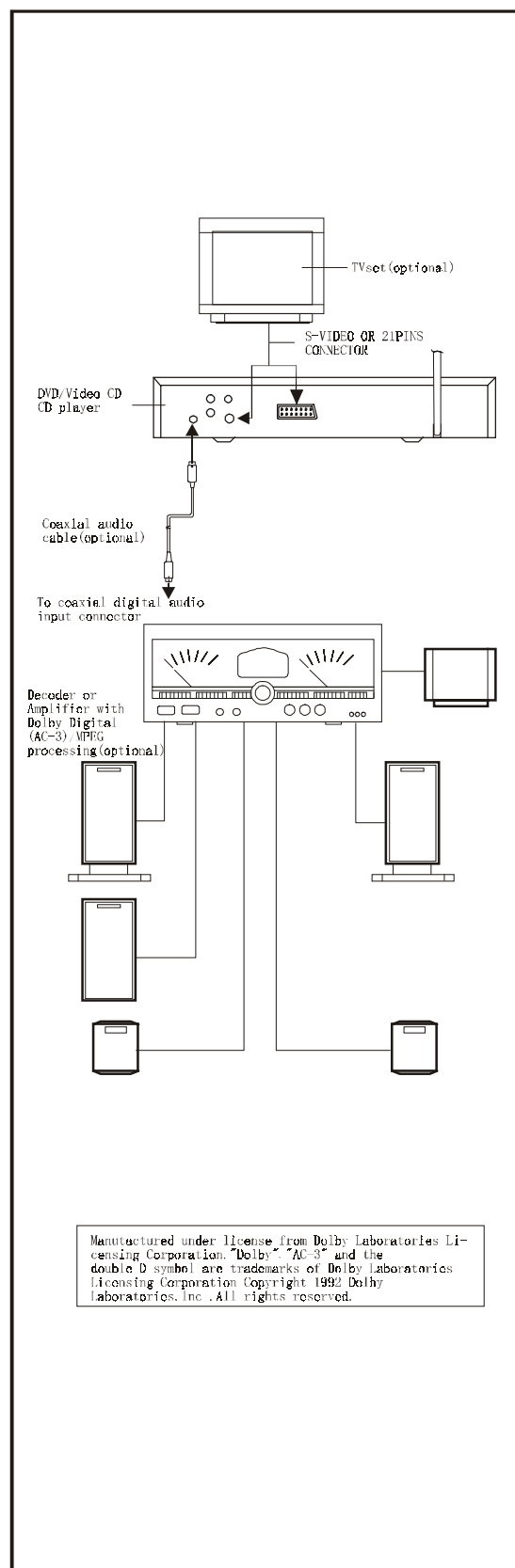
\*2 Audio having 96kHz sampling is converted into 48kHz sampling when it is output from the players coaxial digital audio output connector.

#### For your reference:

- Dolby Digital is a digital sound compression technique developed by the Dolby Laboratories Licensing Corporation. Supporting 5.1-channel surround sound, as well as stereo (2-channel) sound, this technique enables a large quantity of sound data to be efficiently recorded on a disc.
- Linear PCM is a signal recording format used in CDs. While CDs are recorded in 44.1 kHz/16 bit, DVDs are recorded in 48kHz/16 bit up to 96kHz/24 bit.
- If you have a Dolby Pro Logic Surround decoder, you will obtain the full benefit of Pro Logic from the same DVD movies that provide full 5.1-channel Dolby Digital soundtracks, as well as from titles with the Dolby Surround mark.

#### Caution for the coaxial digital audio output connector:

- Do not connect an amplifier (with a coaxial digital input connector) which does not contain the Dolby Digital or MPEG audio decoder.
- An attempt to play DVDs through an amplifier without the correct or MPEG decoder, may produce extreme levels of noise. This could damage both your ears & your loudspeakers.
- VCDs and Audio CDs can be played as normal.



## Remote control preparation

### Battery installation (A)

Insert the batteries while observing the correct (+) and (-) polarities as illustrated.

#### Service life of batteries

- The batteries normally last for about one year although this depends on how often and for what operations the remote control is used.
- If the remote control unit fails to work even when it is operated near the player, replace the batteries.
- Use 2 x 'AA' type batteries.

#### Notes:

- Do not use rechargeable (Ni-Cd) batteries.
- Do not attempt to recharge, short-circuit or disassemble batteries. Never place batteries close to a heat source such as radiators or heaters.
- Dispose of batteries in a responsible manner. Never throw batteries on a fire.
- Do not drop or step on the remote control unit. This may damage the parts or lead to malfunction.
- Do not mix old and new batteries.
- If the remote control unit is not going to be used for long time, always remove the batteries to prevent leakage.

### Remote control operation range (B)

Point the remote control unit no more than about 7 m from the remote control sensor and within 60° from the front of the unit.

- The operating distance may vary according to the brightness of the room.

#### Notes:

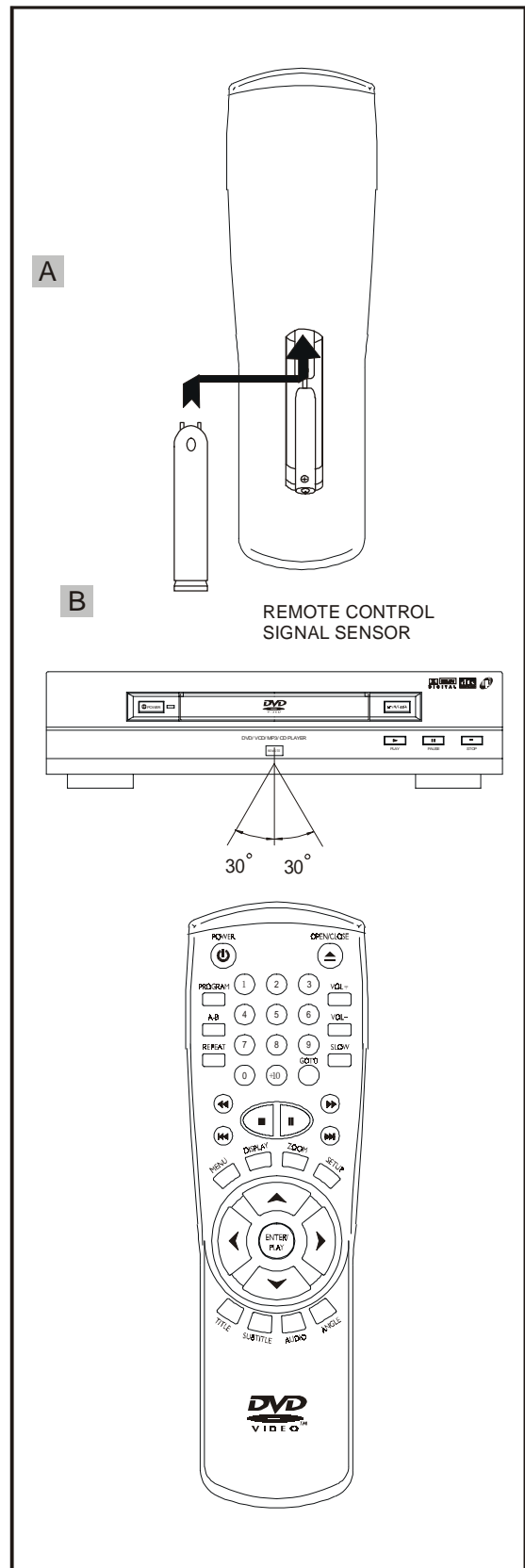
- Do not point bright lights at the remote control sensor.
- Do not place objects between the remote control unit and the remote control sensor.
- Do not use this remote control unit while simultaneously operating the remote control unit of any other equipment.

## Before enjoying DVD/Video CD/CD

The On-Screen menu language of your player has been factory pre-set to English. There is another available OSD language selected.

### Playing Audio CD's

- Press the Power button then the OPEN/CLOSE button to open the CD drawer. Place the audio CD on the tray with the label facing up. Press the OPEN/CLOSE button once again to close the CD drawer.
- The player will read the disc contents and automatically play.
- To view the CD information such as track number and track time on the TV (OSD), press the STOP button twice on the remote control. Press the ENTER button again to play.
- You should use SKIP+/- to choose next or previous song, also you could use number key to select song directly.



## Basic operation

### Preparations

- Switch the on the TV and select "Video" as the input source.
- Switch on the stereo system if the player has been connected to a stereo audio amplifier.

### Basic play

1. Press POWER by the main unit to switch on the power.

2. Press OPEN/CLOSE by the main unit or remote control unit to open the disc tray.

Open

3. Place a disc onto the disc tray.

Hold the disc without touching either of its surfaces, position it with the printed side facing up, align it with the guides and place it on the disc tray.

- (1) 8cm disc
- (2) 12cm disc

4. Press the OPEN/CLOSE button again or PLAY on the main unit or remote control will close the disc tray and display:

Close

DISC Loading

The player will automatically play.

When a menu screen appears on the TV monitor:-


In case of interactive DVDs or VCDs with playback control, a menu screen appears on the TV. With DVDs, you can use CURSOR to select which item you want to enjoy and press SELECT. With VCDs, you will need to press the NUMERIC key, then press ENTER.

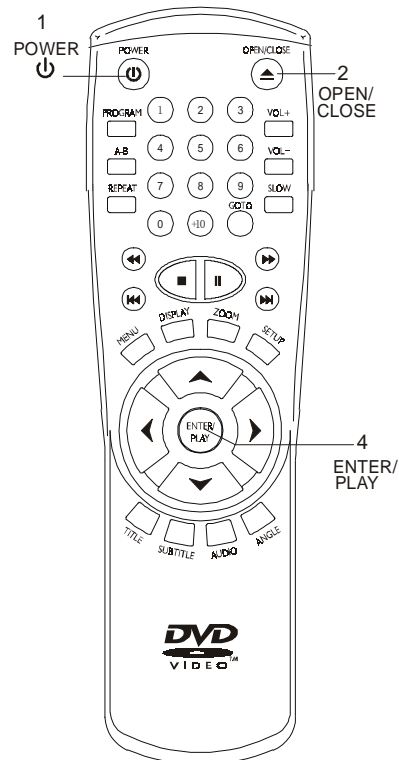
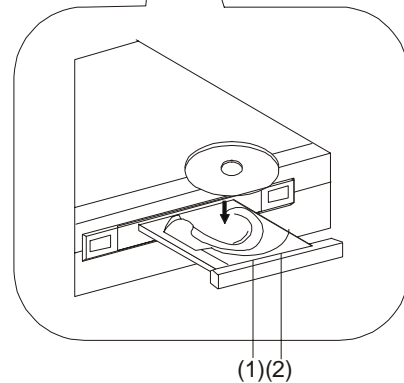
- Press POWER button on the front panel or remote control to switch the unit from ON to STANDBY mode (or vice versa). In standby mode, the unit is still consuming a small amount of power.

### Note:

- The disc continues to rotate while the menu is displayed even after the player has finished playing a particular item. When no further selections are to be played, be sure to press the STOP button to clear the menu display.
- If the disc is placed in the tray upside down (and it is a single sided disc), the DVD display will indicate "NO DISC".

### For your reference:

When  appears while a button is being operated, it means that the corresponding operation is prohibited by the player or the disc.





## Stopping play

Press STOP

### For you convenience:

Memory Stop. DVDs and VCDs (without PBC), can utilize a function called Memory Stop. This allows you to temporarily stop a movie and restart it from the same point later. While playing a disc, pressing STOP once will set the player into Memory Stop mode. At this point, pressing PLAY re-starts the movie from the same point. Pressing STOP a second time will stop the disc completely (i.e. the Stop Memory is lost). Note that some DVD discs will not allow the use of Memory Stop.

## Skipping + or -

### Skipping +

Press SKIP+ during play.

A chapter (DVD) or a track (VCD / CD) is skipped each time the button is pressed.

### Skipping -

Press skip- during play.

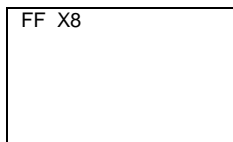
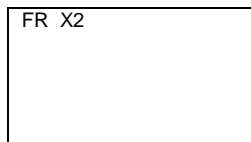
When the button is pressed once midway through a chapter/track, play returns to the start of that chapter/track. When it is pressed again, a chapter/track is skipped each time the button is pressed.

### For your reference:

- When skipping +/- is pressed during menu play of VCD, a menu screen may sometimes be recalled.

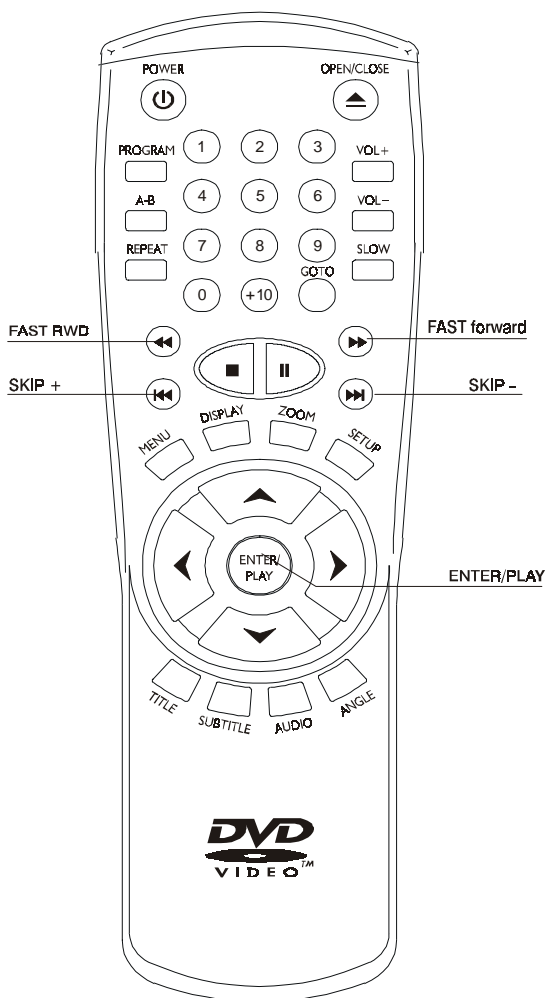
## Fast FWD/RWD

Using either the Remote Control or the Front Panel controls, press FAST FWD(▶▶) or FAST RWD(◀◀) during play.



### For you reference:

Press FAST FWD or FAST RWD button once, the disc will be played forward or backward at double ( $\times 2$ ) speed. With each subsequent press, the disc will be played back at  $\times 4$ ,  $\times 6$  or  $\times 8$  speed and PLAY. Press PLAY button to return to normal play.

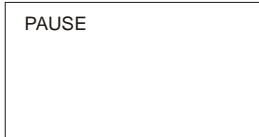


## Pause/Step picture

Press PAUSE/STEP during play.

### For your reference:

- When playing, pressing the PAUSE button pause playback. Press the PAUSE button again to enter step status. The picture will go ahead frame by frame. To return to normal play, press the PLAY button.



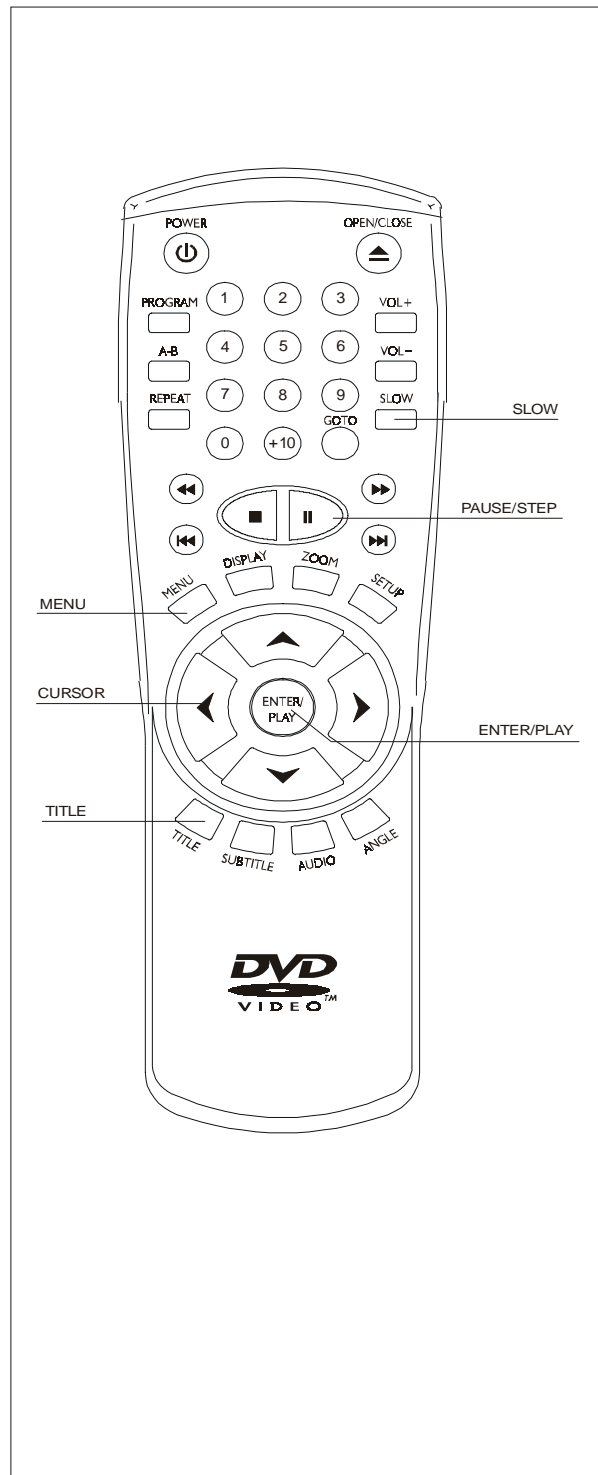
## SLOW PLAY

Press SLOW button when playing, you can play the disc at 1/2, 1/4, 1/8 of normal speed. If you want stop it, you can press PLAY button to play normally again.

## MENU and TITLE

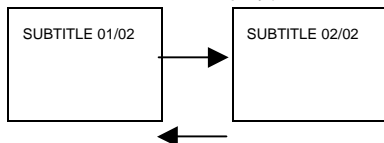
Press MENU or TITLE by the remote control unit

- DVD discs usually are divided into several titles and subdivided into chapters. VCD / CD discs are divided into tracks.
- Press TITLE on the remote and the disc playing will automatically return to the title program. Press the CURSOR buttons on the remote to select the option, then press ENTER button to play it. Note it is possible that some DVD discs will not have this function.
- Press MENU button on the remote, the disc playing will automatically return to the chapter menu. Press CURSOR buttons on the controller to select chapter and then press the ENTER button to play.
- For and VCD with PBC, pressing MENU will turn the PBC function off. Pressing MENU again turns the PBC back on.



## Changing SUBTITLE language [DVDs only]

- It is possible to change the subtitle language from the one selected, if available. This operation works only with discs on which multiple subtitle languages have been recorded).
- Press the SUBTITLE button on the remote. The alternative language subtitle will appear with each press, <SUBTILE 1>, <SUBTILE 2>, (The different disc have different display.)



- When no subtitles are recorded, “” will be displayed on the TV screen.

### For your reference:

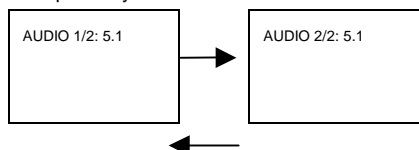
- If the power is reset or the disc is removed, subtitles will appear in the default language set by the DVD player. If this language is not recorded on the disc, they will appear in the disc's default language.

## Changing the audio soundtrack language

- It is possible to change the audio soundtrack language from the default standard to another, if available. This operation works only with discs on which different audio soundtrack languages are recorded.

### ● DVD:

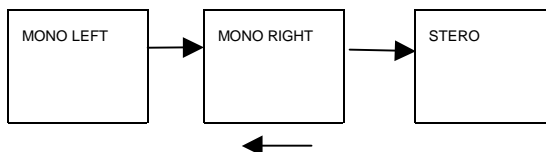
Some DVDs have multi-audio output function. Pressing the AUDIO button on the controller repeatedly selects the available audio tracks.



When no audio soundtrack language are recorded, “” will be displayed on the TV screen.

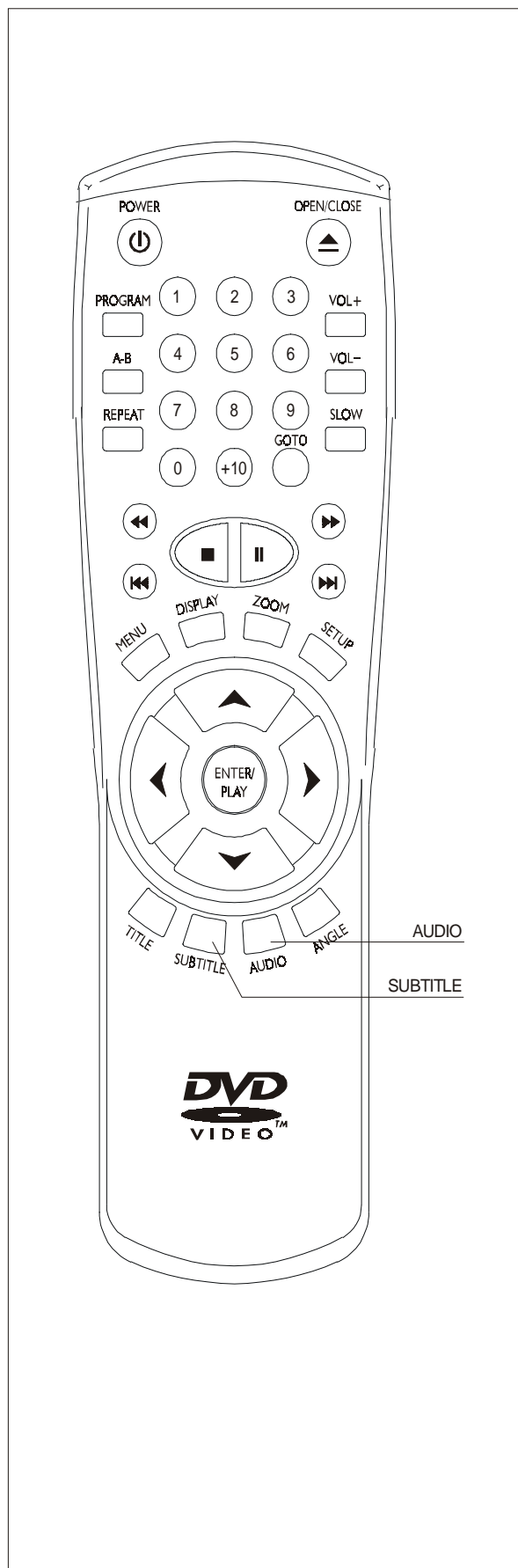
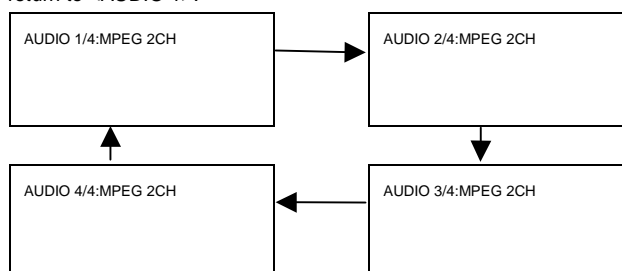
### ● VCD,CD,MP3:

For VCD pressing the AUDIO button on the controller repeatedly selects the available audio tracks.



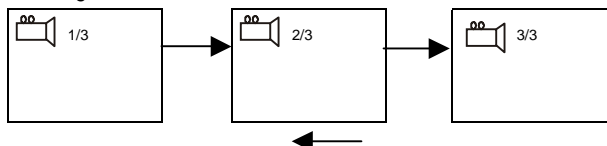
### ● SVCD:

For SVCD pressing the AUDIO button on the controller repeatedly selects the available audio tracks, <AUDIO 1>, <AUDIO 2> etc. Press again to return to <AUDIO 1>.



## Viewing from another ANGLE [DVDs only]

- Some DVDs may contain scenes that have been shot simultaneously from a number of different angles. For these discs, the same scene can be viewed from each of these different angles using the ANGLE button. The recorded angles will differ depending on the disc being played.
- When playing a DVD with multi-angle viewing, " / " will appear on the screen. For example, if the disc has two angles available, pressing the ANGLE button on the controller will step you through all available views. The screen OSD will show 1/3 then 2/3 then 3/3 and then back to 1/3 again etc.

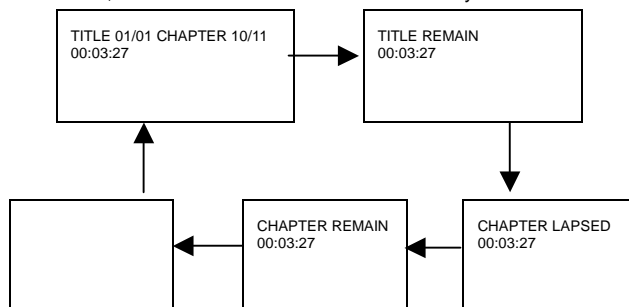


- When no multi-angle are recorded, "👤" will be displayed on the TV screen.

## On screen DISPLAY

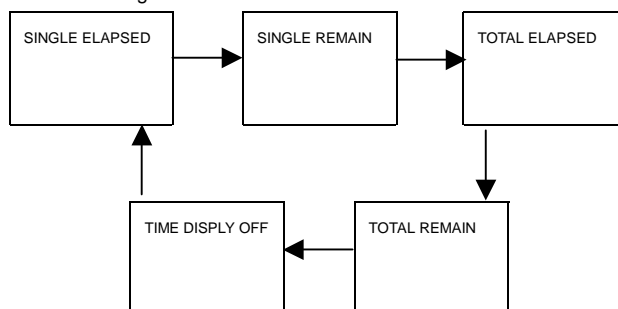
During playback, you can press the DISPLAY button on the remote to show the various information available.

- For DVDs, the DISPLAY function button will allow you to view:



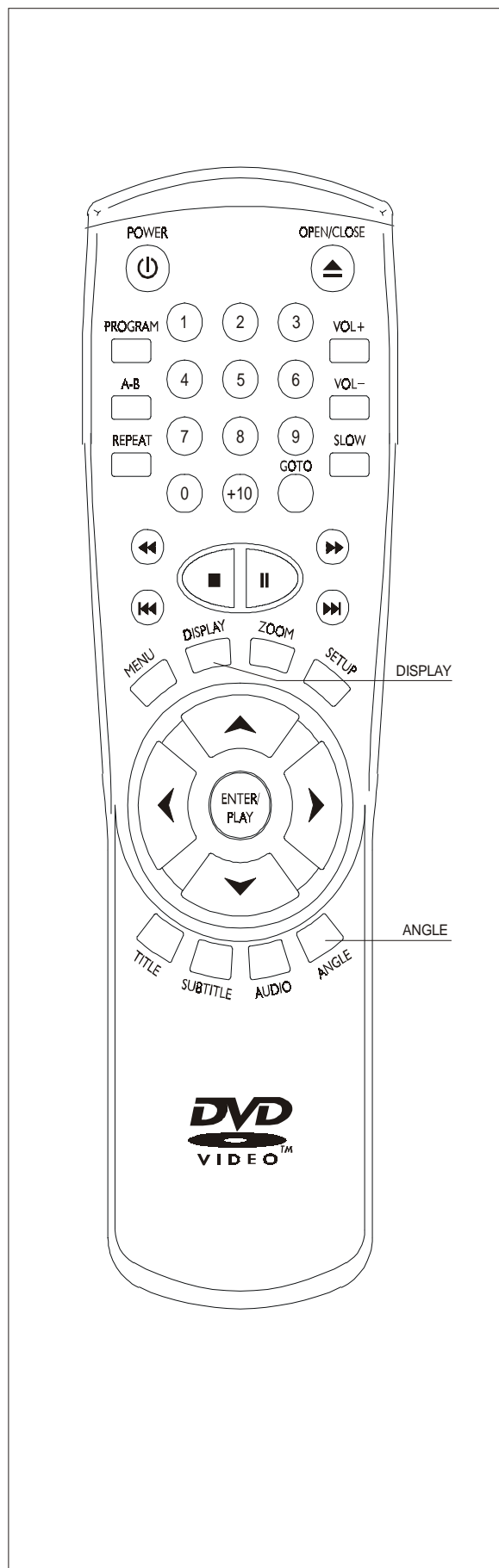
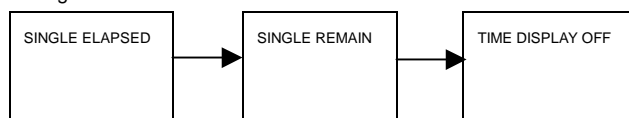
Press the DISPLAY button to no display and cancel this function.

- For VCD(PBC OFF) & CD discs, the DISPLAY functions allows you to view the following:



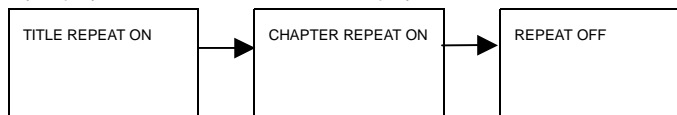
Elapsed play & remain times of the present program

- For VCD(PBC ON) the DISPLAY functions allows you to view the following:

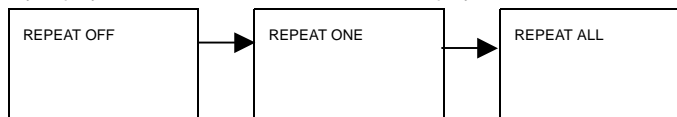


## REPEAT

If you play a DVD disc, the screen will display:

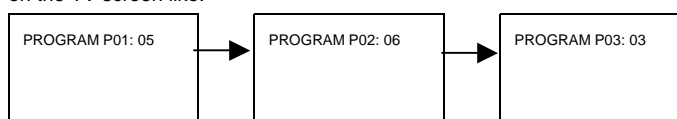


If you play a VCD or CD disc, the screen will display:



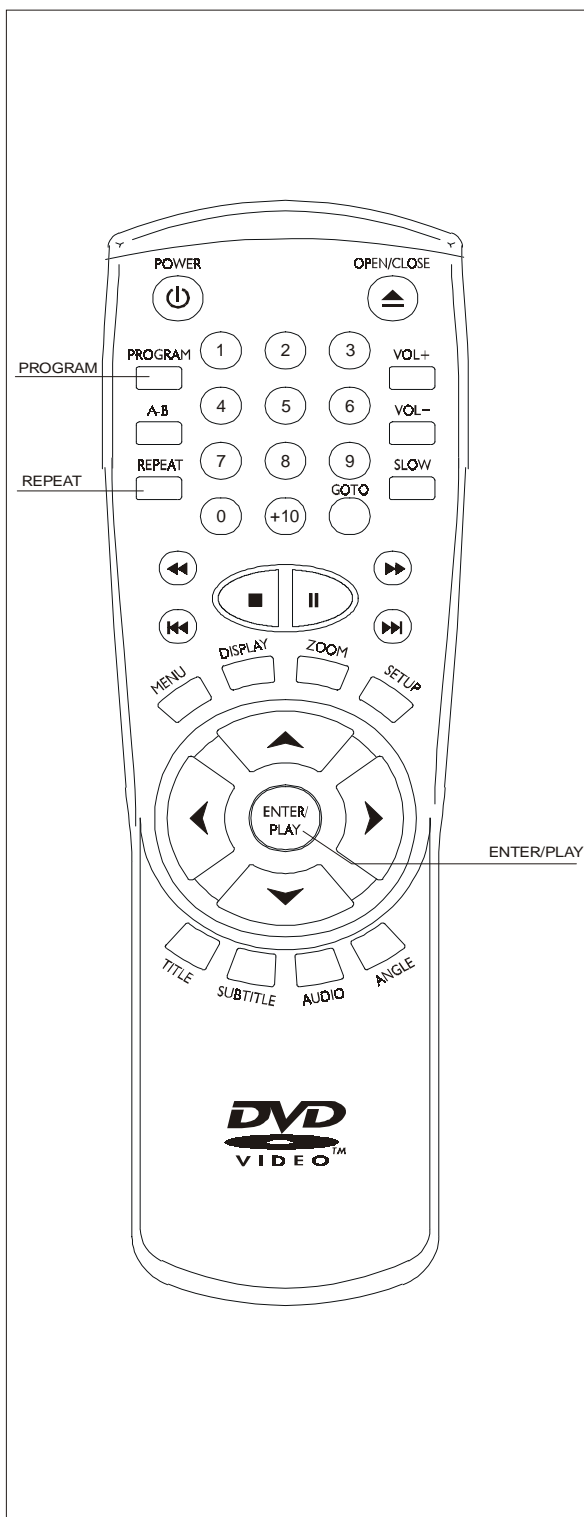
## Program

On STOP status, if you want to play songs such as 5, 6, 3, etc, press PROGRAM button on the remote, and then number key 5, 6, 3, you'll see on the TV screen like:



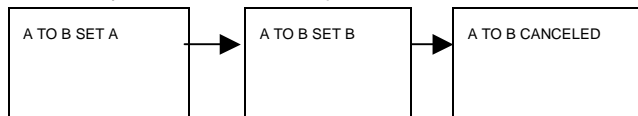
etc.

The most programmable songs are 99, and at last press ENTER to start program play.



## Repeat A-B (allows you to play a small section of the disc repeatedly)

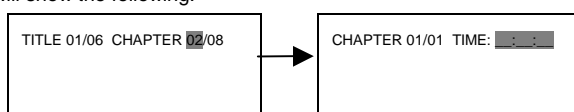
- Press the A-B button on the remote at the point where you wish the repeat play to start. The display will show REPEAT A-. Press A-B button again at the point where you wish the repeat play to finish. The display will show REPEAT A-B SET. The A-B segment will now repeat continuously until the A-B button is pressed for a third time.



## GOTO function

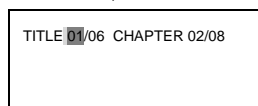
You may directly enter a time, title or chapter number to search fast on a disc, the player plays from that point.

- For DVD discs, press GOTO button twice on the remote, the display will show the following:-

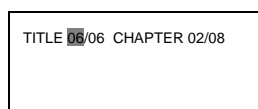


1.Go to a title or a chapter. For example, to chapter 2 in title 6.

- Press GOTO on the remote, the screen shows:



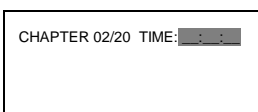
- Press the CURSOR (left or right) button and move. The cursor to illuminate the title number. Press button 6 to select title 6, the screen shows:



Repeat the steps above, select chapter 2 in title 6.

### 2.TIME SEARCH

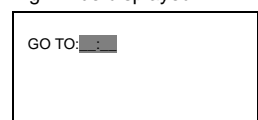
- Press GOTO button twice on the remote until the screen shows:



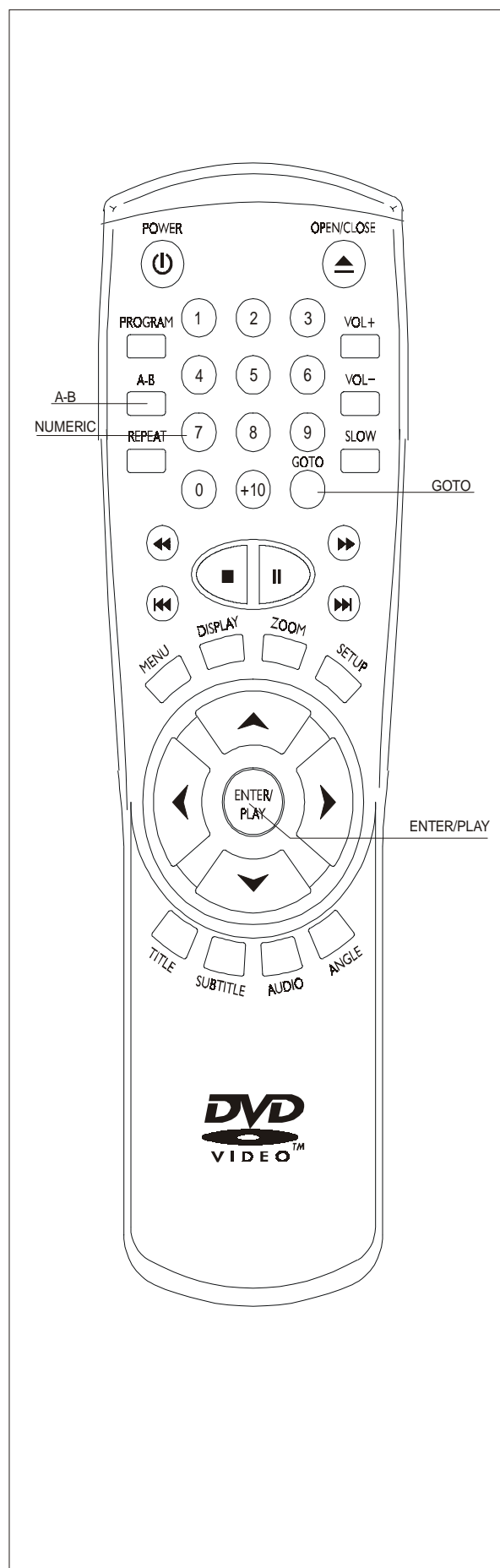
- Press the CURSOR (left or right) button and move the cursor to time:

- Press number buttons to enter hour, minute and second. For example, enter 0,1,2,2,2,2.then press ENTER, After setting, the disc is played from 1:22:22

- For VCD(PBC off status) & CD discs, press GOTO button on the controller, the following will be displayed: -

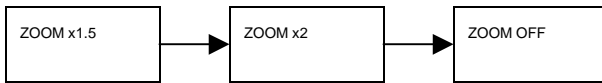


For the GOTO option, enter the digits on the remote for the required start time. Press ENTER button to start playback.



## **ZOOM picture**

- Depending on the disc being played, you can press the ZOOM button repeatedly allowing the picture to increase accordingly: ZOOM1.5, ZOOM2 and ZOOM OFF.



- In the ZOOM mode, you can use CURSOR buttons to move the picture for optimum viewing.

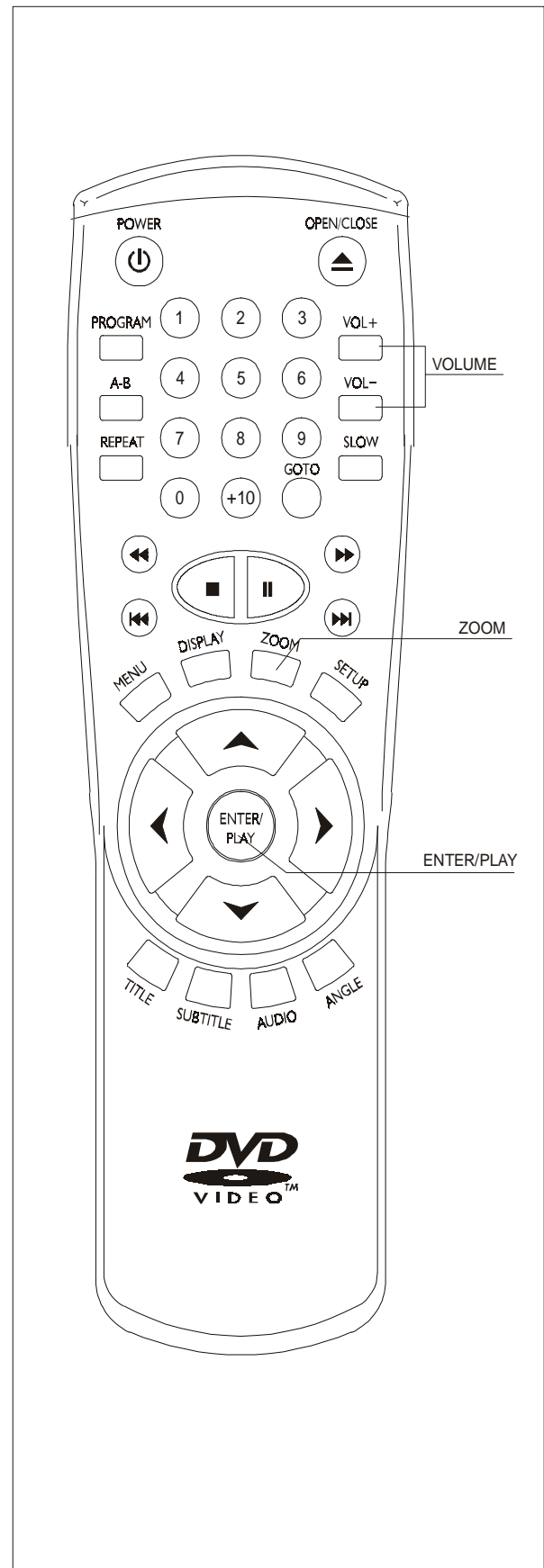
## **VOLUME control**

- Press VOLUME + on the controller continuously to increase volume. Press VOLUME - continuously to decrease volume.

## **Playback of MP3 Files**

This unit is compatible for the reproduction of recorded pieces in MP3 format. Refer to the following instructions for a correct use:

- 1) Press the Power button and then the OPEN/CLOSE button to open the drawer. Insert the disc containing the recorded passages in MP3 format with the label facing upwards. Press the OPEN/CLOSE button again to close the drawer. After some seconds, on the TV screen will appear a menu with all the directory in the disc.
- 2) Press CURSOR to select your directory which will be highlight, then press ENTER to choose. In the directory you can use CURSOR to select the song you want, and then press ENTER to play, or press SKIP +/- to play next or previous song. When playing the song, you can move CURSOR to select another song, the playing song will be highlight with one color, the choosing song will be highlight with another color. If you find what you want, pressing ENTER you should play it at once.
- 3) Press the DISPLAY key to visualize the SINGEL CLAPSED and DISPLAY OFF.
- 4) Another way to select songs is acting directly on the numerical keyboard of the remote control and press ENTER to play.
- 5) For the repetition of the track or of the entire disc, select the functions REPEAT ONE or REPEAT ALL and REPEAT OFF.



## Initial settings

Once the initial setting have been set, the player will always operate with the same parameters. The setting will be retained in the memory even after switching off the power.

- Initial settings must be in the setup mode, but function can be set in all mode.
- Using the setup menu, you may choose the play mode setting, the various outputs, etc.
- During STOP or PLAY mode, press SETUP button on the remote, you will see on the screen like picture 1.
- Select the menu item desired by using up/down CURSOR button, and then press the ENTER button. You should see such as picture 2. In each menu page, the menu items are showed on the left. Use the right CURSOR button on the remote to the option list or setting on the right. Use the left CURSOR button to go back to the left menu item.
- Use up/down CURSOR button on the option list, press ENTER to choose. Then press left CURSOR button to the left menu item to change others.
- Press the button SETUP to leave the setup menu and return to the TV DISPLAY.

### NOTE:

When you select the function on the Menu, the notation of the function is showed at left bottom.

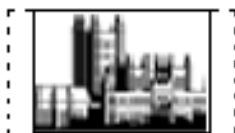
## GENERAL SETUP

Press SETUP on the remote control, the screen shows SETUP MENU-MAIN PAGE. Press GENERAL SETUP to select TV DISPLAY, TV TYPE, VIDEO SEL, OSD LANG, AUDIO OUT, and MAIN PAGE. (picture 2)

### TV DISPLAY

- **NORMAL/PS**—4X3Pan Scan

Choose this setting you will see the movie fill the entire screen of your TV. But you won't see part of the picture (particularly the right and left edge).



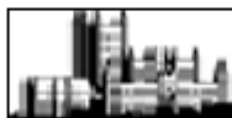
- **NORMAL/LB**—4x3Letterbox

Choose this setting if you want to see movies in their original aspect ratio. You will see the entire frame of the movie, but it will occupy a smaller portion of the screen.



- **WIDE**—16x9Wide screen

Choose this setting if your DVD player is connected to a widescreen TV.



### TV TYPE

According to the system of TV to be connected, set the type of the video output to match the TV as picture 3:

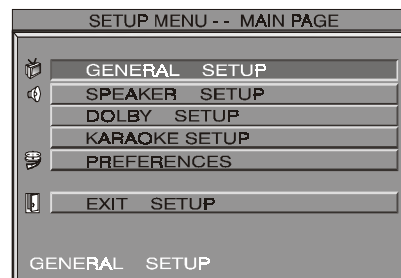
1. If the TV used is PAL, select PAL output signal;
- 2.If it is NTSC, select NTSC output signal;
- 3.Or select AUTO if TV is multi-system.

### Note:

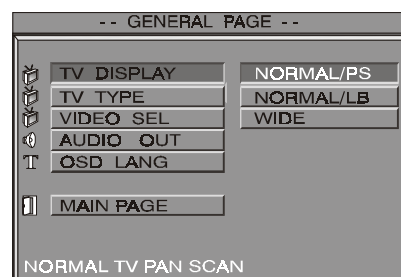
To obtain the best DVD picture, it is strongly recommended to use Multi-system TV to play DVD movie at 'Auto' mode as picture 3.

### VIDEO SEL

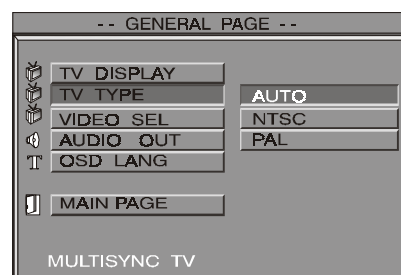
You will get S(separate) video signal and CVBS or RGB of SCART signal if you choose different item like picture 4.



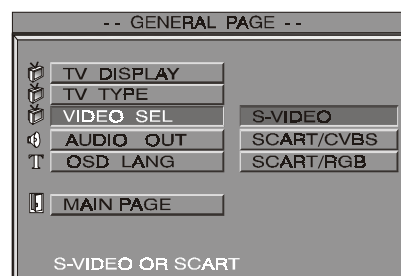
PICTURE 1



PICTURE 2



PICTURE 3



PICTURE 4



#### AUDIO OUT(picture 5)

- **ANALOG:** the output signal is Analog format, the default setting. You should select this when you are playing the disc through the AUDIO OUT Right & Left jacks on your DVD player. No signal output from the coaxial port when selecting this function.
- **SPDIF/RAW:** Select this when the DVD player is connected with a power amplifier through DIGITAL OUT coaxial port. The power amplifier to be connected must have Dolby Digital decoding.
- **SPDIF/PCM:** Select this when the DVD player is connected with a 2-CHANNEL DIGITAL MODE OR STEREO AMPLIFIER. When a Dolby Digital or MPEG disc is played, the coaxial port will output in PCM 2-channel format. These program features an uncompressed digital stereo sound track for improved fidelity, when played, discrete stereo sound will be heard from the front right and left speakers.

#### OSD LANG(picture 6)

The On Screen Display language can be English or other languages delegated by the factory's design.

#### SPEAKER SETUP

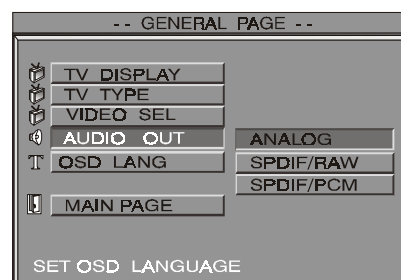
Press CURSOR button on the remote to select SPEAKER SETUP.

#### DOWNMIX(picture 7)

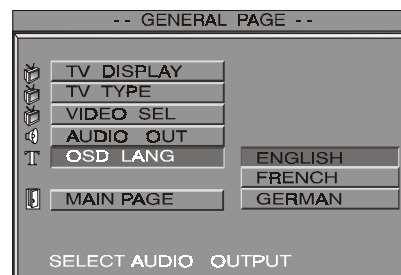
- **STEREO or LT/RT:** If you connect only two speakers, you should choose these.

#### DOLBY SETUP

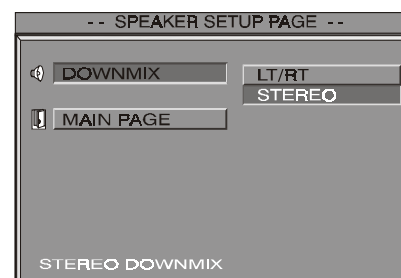
**OP MODE:** The LINE OUT mode is a compressed input signal linearly with digital dialog normalization. The RF REMODulation mode means with heavy compression and digital dialog normalization.(picture 8)



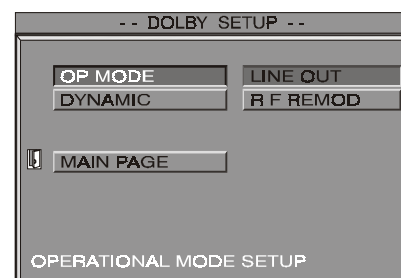
PICTURE 5



PICTURE 6



PICTURE 7



PICTURE 8

**DYNAMIC:** When the compression mode is set at LINE OUT, this is selected to adjust linear compression rate to obtain the different compression results of the signals.(picture 9)

## PREFERENCES SETTING

The DVD player must be in the stop mode or have the DVD door open to access the preference menu. To put the player in the stop mode, you must press the STOP button twice.

Press CURSOR button on the remote to select PREFERENCES from the SETUP menu, Press ENTER button to enter submenu.

### AUDIO/SUBTITLE/DISC MENU

The DVD player will play with your selected language at the AUDIO, SUBTITLE or DISC MENU. If the disc not recorded your selected language, the player will use defaults of the disc. (picture 10)

#### Note:

Audio and Subtitle language is subject to the availability of the disc menu.

### PARENTAL CONTROL(picture 11)

When selecting one of the PARENTAL items, the screen will be changed to the PASSWORD VERIFY PAGE.

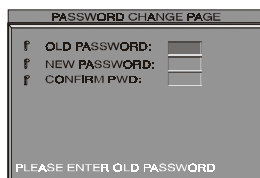
When playing disc with parent lock function, you may select an age control grade according to grade of disc and your desired. For example: Select PG-R, you



Could see picture like right, input the password to set the parental level, and then you cannot play DVD video disc rate higher the PG-R grade. Parental control grades are listed from low too high, kids is lowest grade adults is the highest grade.

### PASSWORD(picture 12)

Select this to adapt the code, the screen shows: You may enter the old password first, then input new password, at last enter new password again to confirm.



#### Notes:

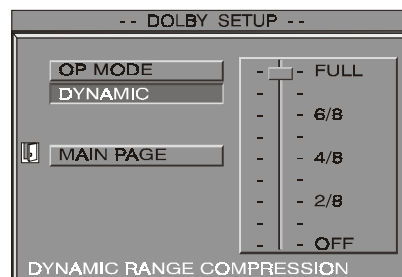
The original password is 0000 when the unit is first time turned on.

### DEFAULTS(picture 13)

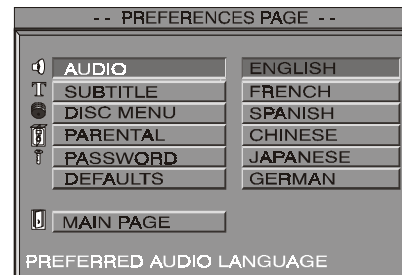
If you select the RESET, each function setting returns to the initial status setting by the factory.

#### Notes:

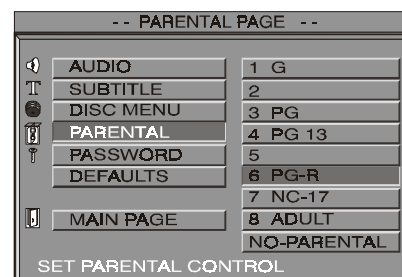
PREFERENCES function works only with DVD discs.



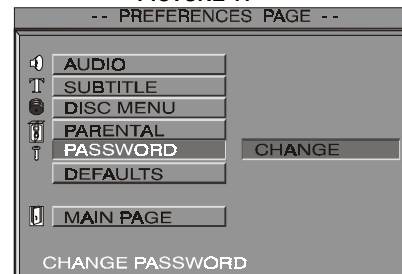
PICTURE 9



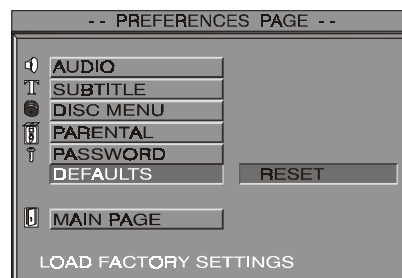
PICTURE 10



PICTURE 11



PICTURE 12



PICTURE 13

## For Your Reference:

### Disc handling and maintenance

#### Handling precautions

- Hold the disc by the edges so the surface will not be soiled with fingerprints. (A)
- Fingerprints, dirt and scratches can cause skipping and distortion.
- Do not write on the label side with a ballpoint pen or other writing utensils.
- Do not use record cleaning sprays, benzene, thinner, static electricity prevention liquids or any other solvent.
- Be careful not to drop or bend the disc.
- Do not install more than 1 disc on the disc tray.
- Do not try to close the disc tray when the disc is not installed properly. (B)
- Be sure to store the disc in its exclusive case when not in use.

#### If the surface is soiled (C)

Wipe gently with a soft, damp (water only) cloth.

When wiping discs, always move the cloth from the center hole toward the outer edge.

(If you wipe the discs using a circular motion, circular scratches are likely to occur, which will cause noise.)

If the disc is brought from a cold to a warm environment, moisture may form on the disc.

Wipe this moisture off with a soft, dry, lint-free cloth before using the disc.

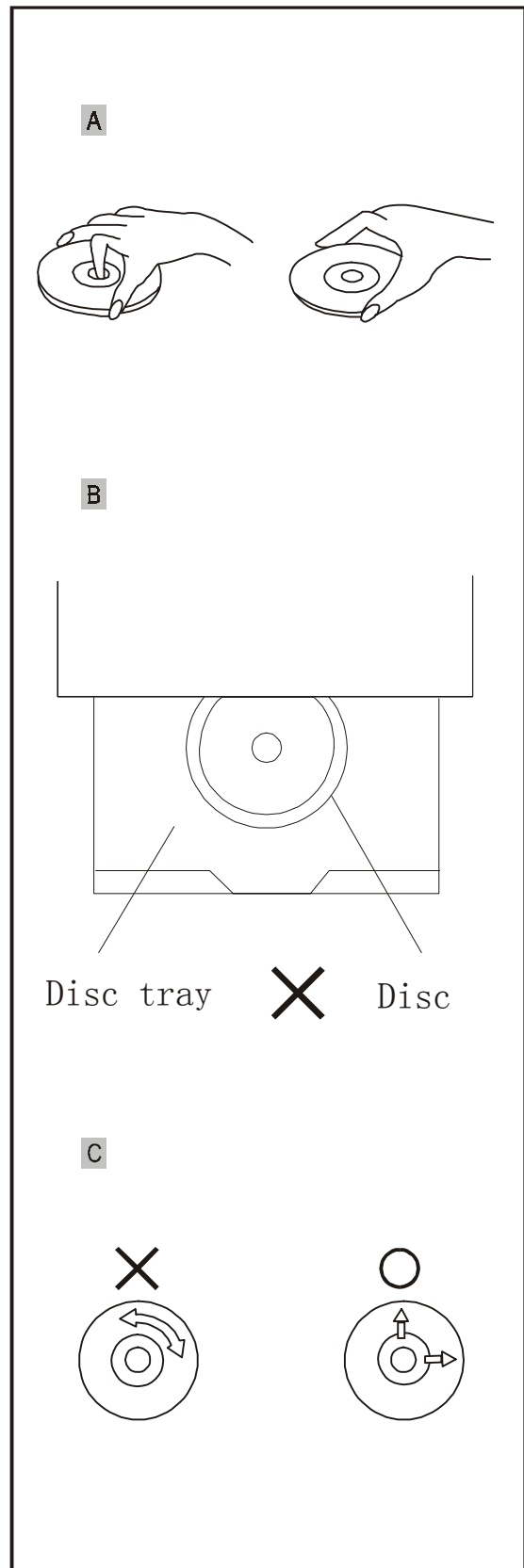
#### Improper disc storage

You can damage discs if you store them in the following places:

- Areas exposed to direct sunlight
  - Humid or dusty areas
  - Areas directly exposed to a heat outlet or heating appliance
- 
- **Do not try to play Photo CD or CD-R best.**

#### Maintenance

- Be sure to turn the unit off and disconnect the AC power cord before maintaining the unit.
- Wipe this unit with a dry soft cloth.  
If the surfaces are extremely dirty, wipe clean with a cloth, which has been dipped in a weak soap-and-water solution and wrung out thoroughly. Then wipe again with a dry cloth.
- Never use alcohol, benzene, thinner, cleaning fluid or other chemicals.  
Do not use compressed air to remove dust.



## Troubleshooting

Before requesting service for this unit, check the chart below for a possible cause of the problem you are experiencing.

Some simple checks or a minor adjustment on your part may eliminate the problem and restore proper operation.

Symptom (Common)	Remedy
No power	Insert the power plug securely into the power outlet.
<ul style="list-style-type: none"> <li>● Play fails to start even when PLAY is pressed.</li> <li>● Play commences but then stops immediately.</li> </ul>	<ul style="list-style-type: none"> <li>● Condensation has formed: wait about 1 to 2 hours to allow the player to dry out.</li> <li>● This player cannot play discs other than DVDs, Video CDs and CDs.</li> <li>● This disc may be dirty and may require cleaning.</li> <li>● Ensure that the disc is installed with the label side up.</li> </ul>
No picture.	<ul style="list-style-type: none"> <li>● Ensure that the equipment is connected properly.</li> <li>● Ensure that the input setting for the TV is "Video".</li> </ul>
<ul style="list-style-type: none"> <li>● No sound.</li> <li>● Distorted sound.</li> </ul>	<ul style="list-style-type: none"> <li>● Ensure that the equipment is connected properly.</li> <li>● Ensure that the input settings for the TV and stereo system are proper.</li> <li>● Adjust the master volume using the buttons on the remote control.</li> </ul>
Picture is distorted during rapid advance or rapid reverse.	The picture will be somewhat distorted at times: this is normal.
No rapid advance (or rapid reverse) play.	Some discs may have sections, which prohibit rapid advance (or rapid reverse).
No 4:3 (16:9) picture.	Choose the correct setup "TV Aspect" item that matches the TV set used.
No on-screen display.	The "Off" setting is selected for "On-screen Messages": select "On".
No surround sound.	<ul style="list-style-type: none"> <li>● Choose the correct setup at the "Audio Output" which matches your stereo system.</li> </ul>
No operations can be performed with the remote control.	<ul style="list-style-type: none"> <li>● Check the batteries are installed with the correct polarities(+ / -)</li> <li>● The batteries are depleted: replace them with new ones.</li> <li>● Point the remote control unit at the remote sensor and operate.</li> <li>● Operate the remote control unit at a distance of not more than 7 meters from the remote control sensor.</li> </ul>
No key operation (either front panel and/or remote control).	<ul style="list-style-type: none"> <li>● Remove the obstacles between the remote control unit and remote control sensor. Turn the unit off and then back to on. Alternatively, turn off the unit, disconnect the AC power cord and then reconnect it. (The player may not be operating properly due to lightning, static electricity or some other external factor.)</li> </ul>
OSD menu not displayed or only partially displayed on the TV Screen.	Select the appropriate TV screen type by consulting the operation manual of the TV.

Symptom (DVD)	Remedy
Play does not commence even when title is selected.	Confirm the "Ratings" setting.
Audio soundtrack and/or subtitle language is not the one selected at the initial settings.	If the audio soundtrack and/or subtitle language does not exist on the disc, the language selected at the initial settings will not be seen/heard.
The menu is displayed in French (for example).	The setup "Menus" of "Disc Languages" is set to French: select English.
No subtitles.	<ul style="list-style-type: none"> <li>● Subtitles appear only with discs, which contain them. Subtitles are cleared from the TV monitor. Press "SUBTITLES" button to display the subtitles.</li> </ul>
Alternative audio soundtrack (or subtitle) languages fail to be selected.	<ul style="list-style-type: none"> <li>● An alternative language is not selected with discs, which do not contain more than one language.</li> <li>● In the case of some discs, the alternative language cannot be selected by operating the AUDIO or SUBTITLE button. Try selecting it from the DVD menu if one is available.</li> </ul>
Angle cannot be changed.	This function is dependent on software availability. Even if a disc has a number of angles recorded, these angles may be recorded for specific scenes only (when the ANGLE indicator on the unit lights up.)

Symptom (Video CD)	Remedy
No menu.	This function works only for Video CDs with playback control.

## Definition of terms

### Angle

Recorded onto some DVD discs are scenes, which have been simultaneously shot from a number of different angles (the same scene is shot from the front, from the left side, from the right side, etc.). With such discs, the ANGLE button can be used to view the scene from different angles.

### Chapter number

These numbers are recorded on DVD discs. A title is subdivided into many sections, each of which is numbered, and specific parts of video presentations can be searched quickly using these numbers.

### DVD

This refers to a high-density optical disc on which high-quality pictures and sound have been recorded by means of digital signals. Incorporating a new video compression technology (MPEG) and high-density recording technology, DVD enables esthetically pleasing full-motion video to be recorded over long periods of time (for instance, a whole movie can be recorded).

### PBC(playback control)

This is recorded on a Video CD (version 2.0). The scenes or information to be viewed (or listened to) can be selected interactively with the TV monitor by looking at the menu shown on the TV monitor.

### Subtitle

These are the printed lines appearing at the bottom of the screen, which translate or transcribe the dialogue. They are recorded on DVD discs.

### Time number

This indicates the playtime recorded on DVD discs. When a disc contains two or more movies, these movies are numbered as title 1, title 2, etc.

### Track number

These numbers are assigned to the tracks which are recorded on Video CDs and CDs. They enable specific tracks to be located quickly.

### Video CD

This contains recordings of pictures and sound whose quality is on a par with that of videotape. This player also supports Video CDs with playback control (version 2.0).

## Specifications

Power Requirements: AC 230 V, 50Hz

Power Consumption: 25W(approx. 3.5W when power is OFF by the power button or the remote control)

**Signal system:** PAL/NTSC

**Weight:** 5kg

**Dimensions:** 320(W)x330(D)x80(H)mm(excluding protrusions)

**Operating temperature range:** +5 to +35°C

**Operating humidity ranger:** 5 to 90% (no condensation)

### Discs played:

- (1) DVD-VIDEO disc
  - 12cm single-sided, single-layer
  - 12cm single-sided, double-layer
  - 12cm double-sided, double-layer (one layer per side)
  - 8cm single-sided, single-layer
  - 8cm single-sided, double-layer
  - 8cm double-sided, double-layer (one layer per side)
- (2) compact disc (CD-DA, VIDEO CD)
  - 12cm disc
  - 8cm disc

### S-video output:

Y output level: 1 Vp-p (75 Ω)

C output level: 0.300 Vp-p (75 Ω)(PAL)

0.286 Vp-p (75 Ω)(NTSC)

Output connector: S terminal (1 system)

**Video output:** Output level: 1 Vp-p (75 Ω)

Output connector: Pin jack (2 systems)

**Audio output:** Output level: 2 Vrms (1kHz, 0dB)

Output connector: Pin jack

5.1ch mixed output: 1 system (2ch)

### Audio signal output characteristics:

- (1) Frequency response:
  - DVD (linear audio):  
4Hz-22kHz (48kHz sampling)  
4Hz-22kHz (96kHz sampling)
  - CD audio:  
2Hz-20kHz (EIAJ)
- (2) S/N ratio:
  - CD audio: 115dB (EIAJ)
- (3) Dynamic range:
  - DVD (linear audio): 102dB
  - CD audio: 99dB (EIAJ)
- (4) Total harmonic distortion:
  - CD audio: 0.0025% (EIAJ)

### Digital audio output:

Coaxial digital output: Pin jack

**Phone jack:** Stereo, 6.35mm jack

**Pickup:** Wave length: 655nm

**Laser power:** CLASS 1

Specifications are subject to changer without notice.

Weight and dimensions are approximate.